



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D3121-23
Job Sheet 178450



Part No: D3121-23

Job Qty: 40 ea

Part Name: Bearing



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 5/31/18

Job Tracking No:

Due Date: 6/8/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV E IPP A: 04.02.19 New Issue KJ/DS IPP Rev:B ECN 1060 07-11-12 DD verified by:EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	40 pcs		6/8/18	0.00	0.00	Purchasing		AT 18/06/18
110	Packaging	40 pcs		6/8/18	0.00	0.00	Packaging2		AT 18/06/18
120	QC	40 pcs		6/8/18	0.00	0.00	QC6		38
130	Packaging	40 pcs		6/8/18	0.00	0.00	Packaging3-1		JUN 11 2018
140	QC21-SA	40 Ea		6/8/18	0.00	0.00	QC21		JUN 11 2018

Part Op 100 - Issue P/O: 40079 Bearing as per Dwg D3121 Possible Supplier: SKF P/N: 61900-2Z or KML P/N: 6900-
Descriptions: ZZ

110 - Ensure Material Release Note is attached

120 - Inspect diimensions as per Dwg D3121 and attached certification Dwg Rev ____

JUN 01 2018
DAS
13
9-89
x40

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
6900ZZ	Bearing D3121-23	40 pcs (1 ea)	100-Purchasing	5078475

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	6900ZZ	40	0	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

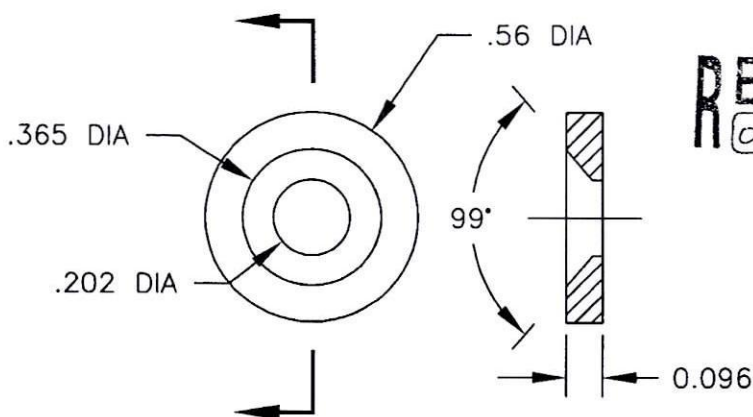
QA Closed: _____ Date: _____

Work Order update only ☐

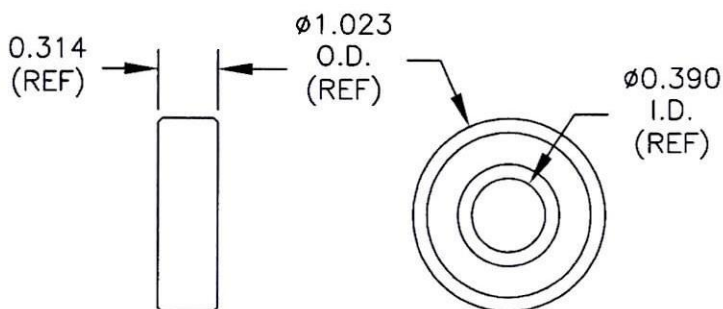
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____ Description Wor	DART AEROSPACE Container No: S078506 Part: D3121-23 Job No: 178450 Serial No/Batch: S078506 Revision: _____ Inspector: _____ Exp Date: 06/06/2018 Instructions: _____ Date: 06/06/18 Dart Aerospace Ltd. 1270 Aberdeen Street Halesbury, ON K6A 1K7 CANADA TEL: 1 813 832-5200 Email: sales@dartaero.com www.dartaerospace.com				
		MRB (QSI042) Approval		Completed By	
		Lead hand / Supervisor Approval Verification		QC / QA Coordinator Approval	
Root Cause					
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

DART

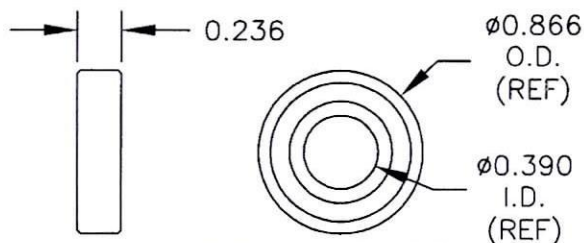
DESIGN #	DRAWN BY LE	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D3121	REV. E SHEET 10 OF 10
DATE 07.11.07		TITLE BRACKET ASSEMBLY	SCALE 1:1

**D3121-17 WASHER (SCALE 1:1)**

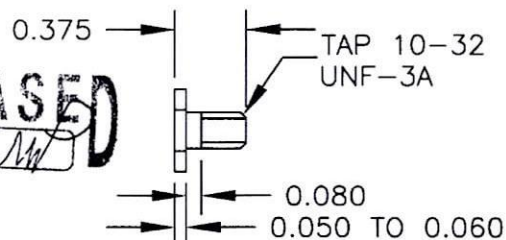
- 1) REPLACES PREMIER P/N B32-23001-17
- 2) MATERIAL: AISI 303 SS ROUND BAR, ANNEALED (REF DART SPEC. M303R)
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.015

**D3121-19 BEARING (SCALE 1:1)**

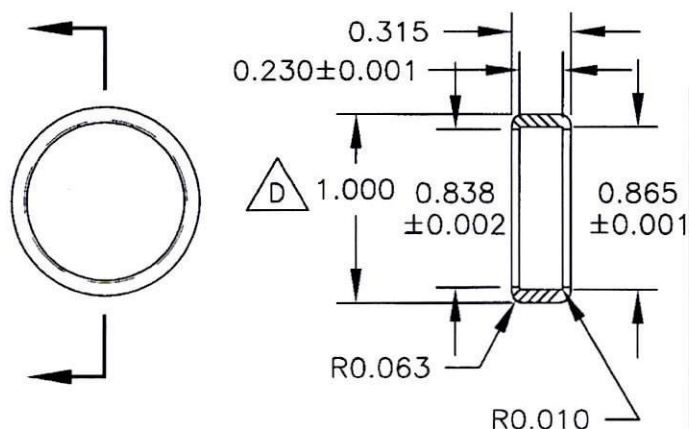
- 1) POSSIBLE SUPPLIER: KING BEARING P/N 6000-2ZJ/EM FAFNIR P/N 9100KDD
- 2) ALL DIMENSIONS ARE IN INCHES

**D3121-23 BEARING (SCALE 1:1)**

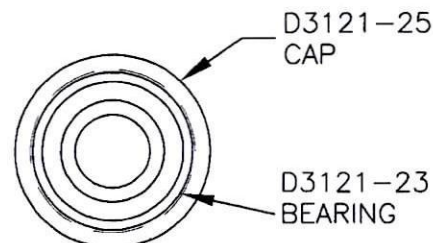
- 1) POSSIBLE SUPPLIER: SKF P/N 61900-2Z OR KML P/N 6900-ZZ
- 2) ALL DIMENSIONS ARE IN INCHES

**D3121-21 BOLT (SCALE 1:1)**

- 1) MATERIAL: AISI 303 SS HEX, ANNEALED (REF DART SPEC. M303H0.500)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.015

**D3121-25 CAP (SCALE 1:1)**

- 1) MATERIAL: DELRIN ROD, Ø1.25 (REF DART SPEC. M-DELIN-R1.250)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES

**D3121-241 BEARING ASSEMBLY (SCALE 1:1)**

Copyright © 2002 by DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040079**

Supplier: MAI001-VC
Main Industrial Sales Ltd.
1475, Tessier
Hawkesbury
ON
K6A 3S6 Canada
Phone: 613 632 3595
Fax: 613 632 0262

PO No: PO040079

PO Date: 6/1/18

Due Date: 6/8/18

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
JUN 01 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	C2-4-1	1-SF16206	Trunnion Bushing	Firmed	6/8/18	100 Ea	0 Ea	100 Ea	\$0.99/Ea	\$99.00
2	C3-3-4-1	0-SH0012C	Ring, Retaining	Firmed	6/8/18	100 pcs	0 pcs	100 pcs	\$0.58/pcs	\$58.00
3	6900ZZ		Bearing D3121-23	Firmed	6/8/18	40 pcs	0 pcs	40 pcs	\$1.62/pcs	\$64.80
Line Item Note wo 178450										
4	5/16-18-015C		SS Bolt 5/16-181.5"	Firmed	6/8/18	200 Ea	0 Ea	200 Ea	\$0.266/Ea	\$53.20
5	5/16WC		Washer	Firmed	6/8/18	1,000 Ea	0 Ea	1,000 Ea	\$0.037/Ea	\$37.00
6	7/16-14-050C		SS Bolt 7/16 5" Long	Firmed	6/8/18	50 pcs	0 pcs	50 pcs	\$1.42/pcs	\$71.00
7	7/16WC		Washer, SS Flat 7/16	Firmed	6/8/18	200 pcs	0 pcs	200 pcs	\$0.088/pcs	\$17.60
8	PFS-LNNC5/16S1		Lock Nut D3015-3	Firmed	6/8/18	200 Ea	0 Ea	200 Ea	\$0.10/Ea	\$20.00
Line Item Note w/o 178544										
9	PFS-LNNC7/16S1		SS Nylock Nut 7/16 receive ea	Firmed	6/8/18	100 Ea	0 Ea	100 Ea	\$0.282/Ea	\$28.20
Line Item Note w/o 178543										

Grand Total: \$448.80

Order Notes

CERTIFICATE OF COMPLIANCE

RE: 6900-ZZ BEARING

To Whom It May Concern:

Our bearing rings and balls are made of high carbon chromium steel GCr15 which has a chemical composition equivalent to SAE 52100. The hardness of bearing rings is HRC 59-64 and HRC 60-65 for steel balls. Unless specify, bearings are 25-30% filled with Alvania No. 2 grease or Chevron SRI#2 grease or equivalent.

DAS
38
9-88

Stella Fan
Phone: 905-629-4255
Fax: 905-629-2358

The logo for SMART SUPPLIES features the word "SMART" in a bold, sans-serif font above the word "SUPPLIES" in a similar font. Above the letter "A" in "SMART", there are three curved lines of varying lengths, resembling a stylized fan or a signal antenna.